

Amendment to the Abstract:

The Abstract has been amended. A revised Abstract is attached.

Systems and methods for detecting an occlusion may include receiving a signal corresponding to a first force needed to deliver a first material through the tube. Furthermore, the systems and methods may include indicating that an occlusion exists if the first force is greater than a baseline value plus a delta value, the baseline value being assigned a value equal to the force necessary to deliver the first material through the tube in an un-occluded state and the delta value being assigned a value configured to create a desired level of sensitivity. ~~Moreover, the systems and methods may include setting, if the first force is less than or equal to the first baseline value plus the delta value, and if a turbulence factor is less than a threshold value, the baseline value equal to a second force. The second force may be a low pass filtered version of the first force and the turbulence factor may be a low pass filtered version of the absolute value of the difference between the first force and the second force.~~

Attachment

Respectfully submitted,

RatnerPrestia

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~~Attorney for Applicants~~

Attachment: Abstract

Dated: June 26, 2006

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Dawn McDowell

Dennis McDermott

ABSTRACT

Systems and methods for detecting an occlusion may include receiving a signal corresponding to a first force needed to deliver a first material through the tube. Furthermore, the systems and methods may include indicating that an occlusion exists if the first force is greater than a baseline value plus a delta value, the baseline value being assigned a value equal to the force necessary to deliver the first material through the tube in an un-occluded state and the delta value being assigned a value configured to create a desired level of sensitivity.